



HGS & HSC SERIES -ROTARY SCREW AIR COMPRESSORS



STANDARD EQUIPMENT

High quality components such as IP55 electric motors with the IE3 efficiency class, IP54 fan motors, star-delta motor starter system, electrical materials selected according to IEC, UL/cUL, CE standards as per the market requirements, high-efficiency screw blocks consuming less energy are provided as standard in all our products.



SERVICEABILITY

Service-friendly design implemented using a layout that provides instant access to all consumable items, with quick-release protective covers and easy-to-use controllers minimizes downtime and reduces maintenance costs.



ELECTRONIC CONTROL

Hertz Kompressoren rotary screw compressors are equipped with easy-to-use, robust and long-lasting microprocessor controllers with communication capabilities as per the product line to ensure smooth operation and uninterrupted production.



SCREW BLOCK

- Patented and durable screw block that provides high-capacity of air, and that is specially selected for each model's capacity requirement
- Production of air with less loss of air, thanks to the new rotor profiles, and lower torque requirements
- New generation bearing design with increased load carrying capabilities

AIR OIL SEPARATOR

Spin-on or immersed type separator design depending on the product line

Immersed type separator

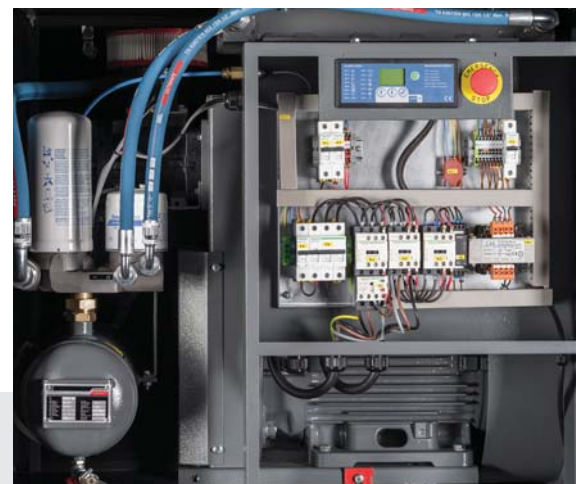
High performance separation with three-stage design
 More efficient separation at lower volume with deeply wrapped, intertwined separation layers
 Low amount of oil mist in outlet air ≤ 3 ppm

Spin-on separator

Easy replacement, ease of assembly and disassembly
 Design that does not require a separator tank

MAIN MOTOR AND DRIVE SYSTEM

High efficiency 400V/3 phase/50Hz, IE3 IP55 electric motors with F Class insulation
 Star delta motor starting system
 Easy of assembly and disassembly with bush pulleys on belt-pulley models





HGS & HSC SERIES Rotary Screw Air Compressors

HERTZ HGS & HSC series compressors are used safely in all applications of small and medium sized businesses thanks to their high performance in operation.

Its service- and maintenance-friendly compact structure speeds up your work, and minimizes downtime.



MAIN MOTOR DRIVE SYSTEM

- Belt-pulley drive system
- Serviceability thanks to easy belt tensioning system

AIR/OIL SEPARATOR

- Easy to disassemble and assemble, service- and maintenance-friendly spin-on type separator.

COOLING SYSTEM

- Quiet and efficient axial fan directly connected to main motor (HGS & HSC 3-20)
- Additional axial fan with temperature control (HGS & HSC 20B-50)

OTHER FEATURES

- Compact, small footprint, easy to service.
- Air tank made of CE certified P265GH pressurized container steel (HGS & HSC 3-20) (EN 286-1)



TECHNICAL DATA

MODEL	PRESSURE		CAPACITY		AIR RECEIVER lt	MOTOR POWER kW/HP	CONNECTION SIZE	DIMENSIONS mm			WEIGHT [kg]	NOISE dB(A)
	bar	PSI	m ³ /min	SCFM				Width	Depth	Height		
HGS 2	7,5	110	0,38	13,4	200/250	2.2/3,0	1/2"	1500	550	1350	240	68
HGS 3	7,5	110	0,41	14,5	200/250	3,0/4,0	1/2"	1500	550	1350	245	68
	10	145	0,36	12,7								
HGS 4	7,5	110	0,56	19,8	200/250	4,0/5,5	1/2"	1500	550	1350	250	69
	10	145	0,46	16,3								
	13	190	0,35	12,3								
HGS 5.5	7,5	110	0,80	28,3	200/250	5,5/7,5	1/2"	1500	550	1325	272	69
	10	145	0,65	23								
	13	190	0,53	18,7								
HGS 7.5	7,5	110	1,15	40,6	500	7,5/10	3/4"	1810	640	1520	385	69
	10	145	0,95	33,6								
	13	190	0,77	27,2								
HGS 11	7,5	110	1,70	60	500	11/15	3/4"	1880	650	1600	414	69
	10	145	1,40	49,5								
	13	190	1,16	41								
HGS 15	7,5	110	2,25	79,5	500	15/20	3/4"	1880	650	1600	450	69
	10	145	1,96	69,2								
	13	190	1,61	56,9								
HSC 15	7,5	110	2,70	95,4	-	15/20	1"	1275	850	1465	410	69
	10	145	2,30	81,2								
	13	190	1,90	67,1								
HSC 18.5	7,5	110	3,30	116,6	-	18,5/25	1"	1275	850	1465	420	69
	10	145	2,80	98,9								
	13	190	2,40	84,8								
HSC 22	7,5	110	3,80	134,2	-	22/30	1"	1275	850	1465	450	70
	10	145	3,50	123,6								
	13	190	3,00	106,0								
HSC 30	7,5	110	4,60	162,5	-	30/40	1 1/4"	1575	1030	1750	683	70
	10	145	4,00	141,3								
	13	190	3,60	127,1								
HSC 30 B	7,5	110	5,20	183,7	-	30/40	1 1/4"	1575	1030	1750	710	70
	10	145	4,30	151,9								
	13	190	3,70	130,7								
HSC 37	7,5	110	6,40	226	-	37/50	1 1/4"	1575	1030	1750	742	70
	10	145	5,40	190,7								
	13	190	4,30	151,9								

1. Unit performances measured in reference conditions which are 1 bar absolute air pressure, %0 relative humidity, 20°C inlet air temperature, 71°C thermostatic valve set temperature and use of Smartoil.
HERTZ KOMPRESSOREN reserves its rights to make changes in its products and specifications without prior notice.
2. Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
3. Air receiver volume for the HGS 2-15 series models with only air receiver and air receiver & air dryer respectively.
4. Refers to sound pressure level measured according to ISO 2151:2004 and ISO 9614/2 with ± 3 dB(A) tolerance.
5. Dimensions of the models with only air-receiver for HGS 2-15 series.
6. Weights of the models with only air-receiver for HGS 2-15 series.

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